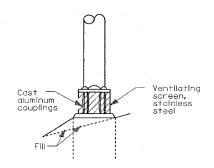
6

Surge protectors (metal oxide — varistor type) 2-1/c#10 XLPuse cable to each luminaire 2 pole fused disconnect unless single pole type — is specified. Breakaway couplings not required on bridges Equipment ground conductor (31/a±/a) Unit duct -NOTE: Installation instructions: Screw couplings on to anchor bolts to end of threads, level couplings, very important, as couplings will become overstressed and either crack or strip threads inside coupling.

POLE BASE MOUNTING & WIRING



BREAKAWAY COUPLING

EDGE OF PAVEMENT PAVEMENT GRADE SAWED SLOT FOR DETECTOR LOOP

HANDHOLE

DETAIL (NO SCALE) RE-USE EXISTING DETECTOR LOOP LEAD-IN CONDUIT

- DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
- REMOVE EXISTING CABLE TO HANDHOLE. INSTALL LOOP LEAD-IN CONDUCTORS IN CONDUIT.

EXISTING , CONDUIT

- 4 SPLICE NEW DETECTOR LOOP LEAD-IN CONDUCTORS TO EXISTING LEAD-IN CABLE IN HANDHOLE. 5 FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.
- 6 LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY..

NOT A PAY ITEM, THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

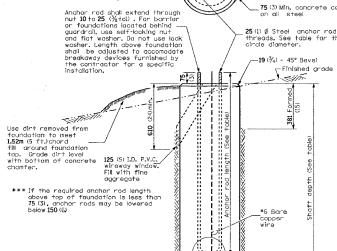
Notes:

125 (5) I.D. P.V.C. wiring window

Plate to be installed when required. (See Ring Plate Detail)

All foundations are designed to be located an slopes not exceeding 21 where soils have an unconfined compressive strength of at least 1.0 TSF. The contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance on steel foundations and notify the engineer if other conditions are encountered.

Wireway may be on front, back, or side of foundation as required by the trenching. Place door of transformer base on wireway side to minimize the number of unit duct bends. 610 (24) min. dia. Top of schedule 40 PVC **125**(5) I.D. PVC wiring window, shall be flush with the tap of founda<u>tion for</u> drainage. Ö __75(3) Min. cancrete cover on all steel 25 (1) \emptyset Steel anchor rod with 230 (9) of threads. See table for the required bolt circle diameter.



16 mm x 3 m (5%"x 10")
Coppercial grounding electrode. When foundation is set in rook, install ground electrode in cable trench.

Bronze ground clamp

		STEEL FOUNDATION		CONCRETE FOUNDATION		
LIGHT POLE BOLT CIRCLE MOUNTING HEIGHT DIAMETER		SHAFT	SHAFT	SHAFT	SHAFT	ANCHOR ROLL
		DIAMETER	DEPTH	DIAMÉTER	DEPTH	LENGTH *
⊴9.1 m	292 mm	220 mm	1.83 m	610mm	1.52 m	1.45 m
(30′)	(11 ¹ / ₂ ")		(6'-0")	(24")	(5'~0")	(4'-9")
9.4 m - 10.7 m	292 mm	220 mm	1.83 m	610mm	1.67 m	1.60 m
(31'-35')	(11½")		(6/-0")	(24")	(5'-6'')	(5'-3")
10.9 m - 12.2 m	38 1 mm	220 mm	1.83 m **	610mm	1.83 m	1.75 m
(36'-40')	(15")	(85/8")	6'-0")	(24")	(6'-0")	(5'-9'')
12.5 m - 13.7 m	381 mm	220 mm	1.83 m **	610mm	1.98 m	1.90 m
(41'-45')	(15")		(6'-04)	(24")	(6'-6")	(6'-3'')
14.0 m - 15.2 m	381 mm	220 mm	2.44 m	610mm	2.13m	2.00 m
(46'-50')	(15")	(85/8″)	(8'-0")	(24")	(7'-0'')	(6'-9'')

CONCRETE FOUNDATION

* Length does not include 100(4)hook

REVISIONS NAME DATE	ILLINOIS DEPARTMENT OF TRANSPORTATION			
	ELECTRICAL DETAILS			
	FAI ROUTE 55/70 SECTION 60-7K-2 MADISON COUNTY			
	SCALE: VERT. HORIZ. DATE	DRAWN BY CHECKED BY		

DATE = SDATES

NAME = SFILELS

SCALE = SCALES

RENCE = SREFS PLOT FILE I PLOT REFER